

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY OF PAPERS

Docket No.: CSCO-2894

Thereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, on the below date of deposit.							
Date of Deposit:	08/07/02	Name of Person Making the Deposit:	Kerry Erin Kelly	Signature of the Person Making the Deposit:	Turn In	Telle	

The Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Re-Submission of Transmittal of Assignment

RECEIVED

Schnology Center 2100 1. Name of conveying Mark Buonanno, Chris Shenefiel, Michael Swailes,

party(ies):

Stephen Quatrano, Brian Carrier

Serial No.:

09/727,841

Group Art Unit: Examiner:

Filed:

11/30/00

2. Name and Address of Cisco Technology, Inc.

Receiving party(ies)

170 West Tasman Drive, San Jose, CA 95134

3. Nature of Conveyance: Assignment

Execution Date:

11/09/00, 11/09/00, 11/08/00, 11/14/00, 11/20/00

4. New Patent Application entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR

DETECTION AND RESOLUTION ENGINE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name:

James P. Hao

Address

Wagner, Murabito & Hao LLP

Two North Market Street, Third Floor, San Jose, CA 95113

Phone

(408) 938-9060

- 6. Total Number of applications and patents involved: ONE
- 7. Fee Calculation (for other than a small entity)

Assignment Recordation Fee, per property

Total Fees (37 CFR 3.41)

1 X \$0.00

x The amount of \$ 0.00

is enclosed

8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of

the original document.

Vames P. Hao

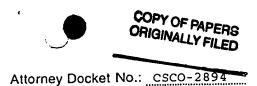
Reg. No. 36,398

Date:

August 7, 2002

\$0.00





Assignment to close teamer 37,
In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we
Mark Buonanno Mark Buonanno do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors have been placed by the placed by the placed by the
MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE
x filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
Serial No.: filed on and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United successors and in any country foreign thereto, and to cooperate and assist in the prosecution of interference States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cisco.
I/we further covenant with Clsco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;
In witness whereof, I/we hereunto set my/our hand(s) and seal: Inventor's Signature: Inventor's Sig
continuation, divisional of relisate, of other processors and assigns, the inventions described in said application and all patent rights therein, in the United successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the proceedings involving said invention of said Letters Patent provided the proceedings involving said invention of said Letters Patent provided the proceedings in the rights and assistance are paid by Cisco. When further covenant rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned, in witness whereof, I/we herein conveyed has been made to convey the same as herein expressed is possessed by the undersigned, in witness whereof, I/we herein conveyed has been made to convey the same as herein expressed is possessed by the undersigned, in witness whereof, I/we herein conveyed has been made to convey the same as herein expressed is possessed by the undersigned, in witness whereof, I/we herein conveyed has been made to conveyed has been ma

Attorney Docket No.: CSC0-2894

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we
Chris Shenefiel do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, and transfer unto Cisco Technology, and transfer unto Cisco Technology, and transf
MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE
x filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the
Serial No.: and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United successors and in any country foreign thereto, and to cooperate and assist in the prosecution of interference States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the
I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;
In witness whereof, I/we hereunto set my/our hand(s) and seal: Inventor's Signature: Date: Date: 1 - 9 - 200

Attorney Docket No.: CSCO-2894

n consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we
Michael Swailes do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:
MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE
x filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
Serial No.: filed on and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cisco.
I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;
In witness whereof, I/we hereunto set my/our hand(s) and seal:
Inventor's Signature: The Date: 17 Nov 2000



Attorney Docket No.: CSCO-2894

n consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we
Stephen Quatrano do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation do hereby sell, assign, and its successors having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:
MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE
x filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
Serial No.: filed on and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cisco.
I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;
In witness whereof, I/we hereunto set mg/our band(s) and seal: Inventor's Signature: Date: * 1 / 4 2W

Attorney Docket No.: CSCO-2894

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Brian Carrier
do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:
MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE
X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
Serial No.: and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cisco.
I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;
In witness whereof, I/we hereunto set my/our hand(s) and seal:
Inventor's Signature: x Similar Corvin Date: x 11/20/06





APRIL 09, 2002

PTAS

Chief Information Officer Washington, DC 20231 www.uspto.gov

WAGNER, MURABITO & HAO LLP JAMES P. HAO TWO NORTH MARKET ST. THIRD FLOOR SAN JOSE, CA 95113



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION FOR THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA INFORMATION CONTAINED ON THIS NOTICE, YOU MAY PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD PRESENT IN THE PATENT AND TRADEMARK OFFICE, FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE AT 703-308-9723. CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/28/2002

REEL/FRAME: 012565/0984

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BUONANNO, MARK

DOC DATE: 11/09/2000

ASSIGNOR:

SHENFIEL, CHRIS-

DOC DATE: 11/09/2000

ASSIGNOR:

SWAILES, MICHAEL

DOC DATE: 11/08/2000

ASSIGNOR:

QUATRANO, STEPHEN-

DOC DATE: 11/14/2000

ASSIGNOR:

CARRIER, BRIAN -

DOC DATE: 11/20/2000

ASSIGNEE:

CISCO TECHNOLOGY, INC. 170 WEST TASMAN DRIVE SAN JOSE, CALIFORNIA 95134 DOCKETED
Date: 4-16-02
Initials: 9

RECEIVED



APR 1 5 2002

012565/0984 PAGE 2

SERIAL NUMBER: 09727841

PATENT NUMBER:

FILING DATE: 11/30/2000 -

ISSUE DATE:

SHARON LATIMER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



IN

AND TRADEMARK OFFICE

Docket No.: CSCO-2894

102016901

Thereby certily that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231, on the below date of deposit. Signature of the Person Making the Deposit:

Name of Person Making the Deposit: 01/02/02

ANDREA MARTINEZ

The Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Deposit:

Please record the attached original document(s) or copy(ies) thereof:

1 - 24-07 Re-Submission of Transmittal of Assignment

1. Name of conveying Mark Buonanno, Chris Shenfiel, Michael Swailes, Stephen Quatrano, And Brian Carrier party(ies):

Serial No.:

09/727,841

Group Art Unit:

Examiner:

Filed:

2. Name and Address of Cisco Technology, Inc.

170 West Tasman Drive, San Jose, CA 95134

Receiving party(ies) Nature of Conveyance:

Execution Date:

Assignment 11/09/00, 11/09/00, 11/08/00, 11/14/00, and 11/20/00

4. New Patent Application entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR

DETECTION AND RESOLUTION ENGINE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name:

James P. Hao

Address

Wagner, Murabito & Hao LLP

Two North Market Street, Third Floor, San Jose, CA 95113

Phone

(408) 938-9060

6. Total Number of applications and patents involved: ONE

7. Fee Calculation (for other than a small entity)

Total Fees (37 CFR 3.41)

Assignment Recordation Fee, per property

1 X \$40.00

\$40.00

The amount of \$ 40.00

is enclosed

- 8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.
- 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

> Name James P. Hao Reg. No. 36,398

January 2, 2002 Date:

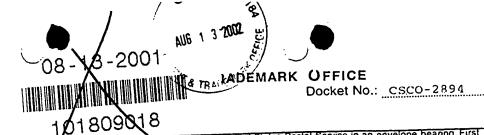
02/11/2002 LMUELLER 00000052 09727841

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Page 1 of 1

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Thereby certify that this transmittal of the below described document is being deposited with the Ur. Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North	United States Postal Service in an envelope bearing First Tower Building, Sulte 10C35, Washington, D.C., 20231.
Class Bostone and addressed to the U.S. Patent and Trademark Office, Assignment States	
Class helpy date of deposit.	Person Decade Machillana

Name of Person 08/01/01 Making the Deposit: ANDREA MARTINEZ

Signature of the Person Making the Deposit:

Deposit:

The Assistant Commissioner for Patents

Nashington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Transmittal of an Assignment

1. Name of conveying Mark Buonanno, Chris Shenfield, Michael Swailes party(ies):

Stephen Quatrano, And Brian Carrier

Group Art Unit:

Examiner:

Stephen Quatrano, And Brian Carrier

170 West Tasman Drive, San Jose, CA 95134 Receiving party(ies)

Assignment Nature of Conveyance:

Execution Date:

11/09/00, 11/09/00, 11/08/00, 11/14/00, and 11/20/00

New Patent Application entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR

DETECTION AND RESOLUTION ENGINE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Address James P. Hao

Wagner, Murabito & Hao LLP

Two North Market Street, Third Floor, San Jose, CA 95113

Phone

(408) 938-9060

- 6. Total Number of applications and patents involved: ONE
- 7. Fee Calculation (for other than a small entity) Assignment Recordation Fee, per property

Total Fees (37 CFR 3.41) The amount of \$ 40.00

is enclosed

1 X \$40.00

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- Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

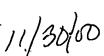
> Name/ James P. Hao Reg. No. 36,398

August 1, 2001 Date:

/13/2001 LMUELLER 00000002 09727841

FC:581

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Class Postage and addressed on the below date of deposit.	I to the U.S. Patent and	I Trademark Office, Assignm		iding, some 10000, trasiling	
Date of 13 /20 /00	Name of Person Making the Deposit:	ANTHONY CHOU	Signature of the Person Making the Deposit:	anthony	(hor
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1. Name of conveying party(ies):	g MARK BUO QUATRANO	NANNO, CHRIS SH , BRIAN CARRIER	ENEFEIL, MICHAE	L SWAILES, STEA	CC.
Serial No.: Filed: 11/	30/00		Group Art Unit: Examiner:	Technolog	IS IS SEC
 Name and Address Receiving party Nature of Convergence Execution Date 	(ies) 170 We	Technology, Inc st Tasman Drive gnment 1/09/00,11/08/00,	, San Jose, CA	95134	CEIVED CONTOR
4. New Patent App	lication entitled:	MULTIMEDIA RESOLUTION		AND ERROR DETE	CTION AND
Name: Address	James P. Ha Wagner, Mur Two North M	o abito & Hao LLP larket Street, Third F	e concerning docume	nt should be mailed: 95113	
Phone	(408) 938-9				
6. Total Number of	applications and	patents involved:	ONE		
7. Fee Calculation Assignment Re Total Fees (3	ecordation Fee, p	er property		1 X \$40.00	\$40.00
x The amount of	\$ 40.00	is enclosed			
At any time du overpayments	ring the pendenc to Deposit Accoi	y of this application, un. 23-0085. A dupl	please charge any ac icate copy of this tran	dditional fees required smittal is enclosed.	I or credit any
9. Statement and si	gnature:				•
		e foregoing information	is true and correct and a	ny attached copy is a tru	e copy of the
•			Name James P	. Hao	
Date: 11/30/00	***************************************		Reg. No. 36,398	5	

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rev. 6/97 jpw





hereby certify that this tra	nsmiltal of the below des	cribed document is being d	eposited with the United Stat ment Branch, North Tower Bu	es Postal Service in an enve	ope bearing First
n the below date of depos	lt		Signature of the Person	itaing, Suite 10C35, Washing	101, 0.0., 20231,
ate of 11/30/00 eposit:	Name of Person Making the Deposit:	ANTHONY CHOU	Making the Deposit:	anthony	(hor
ashington, D.C. 2	•	nts cument(s) or copy(i	es) thereof:		٠.
		Transmittal of a			
. Name of convey party(ies):		NANNO, CHRIS SI , BRIAN CARRIEN	HENEFEIL, MICHAE R	L SWAILES, STEPH	ien As
Serial No.: Filed: 11	./30/00		Group Art Unit: Examiner:	*	Copp AUG
Name and Add Receiving partNature of Con- Execution Dat	y(ies) 170 We vevance: Assig	Technology, Inc st Tasman Drive gnment 1/09/00,11/08/00,	e, San Jose, CA	95134	GChnology Col
. New Patent Ap	pplication entitled:	MULTIMEDIA RESOLUTION	B2B OPPORTUNITY ENGINE	AND ERROR DETE	CTION AND
5. Name and add Name: Address Phone	James P. Ha	o rabito & Hao LLP larket Street, Third F	e concerning docume Floor, San Jose, CA		·
	, ,	patents involved:	ONE		
	Recordation Fee, p (37 CFR 3.41)			1 X \$40.00	\$40.00
O At amustima a	ina tha nandana	y of this application, unt 23-0085. A dupl	please charge any acicate copy of this tran	dditional fees required smittal is enclosed.	l or credit any
9. Statement and	signature:				
To the best of my kno original document.	wledge and belief, the	foregoing information	is true and correct and a	ny attached copy is a tru	e copy of the
			Jan 1	40	
,			Name James P	Нао	



Thereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231. on the below date of deposit. Signature of the Person Name of Person ANDREA MARTINEZ 08/01/01 Making the Deposit: Making the Deposit: Deposit: The Assistant Commissioner for Patents Washington, D.C. 20231 Sir: Please record the attached original document(s) or copy(ies) thereof: Transmittal of an Assignment 1. Name of conveying Mark Buonanno, Chris Shenfield, Michael Swailes, RECEIVED

Technology Center 2100 Stephen Quatrano, And Brian Carrier party(ies): Group Art Unit: 09/727,841 Serial No.: Examiner: 11/30/00 Filed: Name and Address of Cisco Technology, Inc. 170 West Tasman Drive, San Jose, CA 95134 Receiving party(ies) Nature of Conveyance: Assignment 11/09/00, 11/09/00, 11/08/00, 11/14/00, and 11/20/00 Execution Date: MULTIMEDIA B2B OPPORTUNITY AND ERROR New Patent Application entitled: DETECTION AND RESOLUTION ENGINE 5. Name and address of party to whom correspondence concerning document should be mailed: James P. Hao Name: Wagner, Murabito & Hao LLP **Address** Two North Market Street, Third Floor, San Jose, CA 95113 (408) 938-9060 Phone 6. Total Number of applications and patents involved: ONE Fee Calculation (for other than a small entity) 1 X \$40.00 Assignment Recordation Fee, per property \$40.00 Total Fees (37 CFR 3.41) is enclosed The amount of \$ 40.00 At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed. 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

> James P. Had Name

Reg. No. 36,398

August 1, 2001





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PREVIOUSLY RECORDED AT REEL

ASSIGNOR:

BUONANNO, MARK

DOC DATE: 11/09/2000

ASSIGNOR:

SHENFIELD, CHRIS

DOC DATE: 11/09/2000

ASSIGNOR:

SWAILES, MICHAEL

DOC DATE: 11/08/2000

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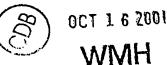
CARRIER, BRIAN

DOC DATE: 11/20/2000

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CISCO TECHNOLOGY, INC. 170 WEST TASMAN DRIVE SAN JOSE, CALIFORNIA 95134 DOCKETED Date: 10-17-01 Initials: _ 9

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